

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY


(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

REC'D 22 SEP 2005

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Applicant's or agent's file reference <b>PPD70183/WO</b>	<b>FOR FURTHER ACTION</b>		See Form PCT/PEA/416
International application No. <b>PCT/IB2004/001075</b>	International filing date (day/month/year) <b>25.03.2004</b>	Priority date (day/month/year) <b>28.03.2003</b>	
International Patent Classification (IPC) or national classification and IPC <b>A01N43/40, A01N43/54, A01N43/66, C07D401/04, C07D413/14</b>			
Applicant <b>SYNGENTA PARTICIPATIONS AG et al.</b>			
<p>1. This report is the International preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 5 sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> sent to the applicant and to the International Bureau) a total of sheets, as follows:</p> <p style="margin-left: 40px;"><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p style="margin-left: 40px;"><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>			
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the opinion</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input checked="" type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>			
Date of submission of the demand  <b>07.10.2004</b>		Date of completion of this report  <b>11.02.2005</b>	
Name and mailing address of the international preliminary examining authority:   European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465		Authorized Officer  <b>Cortés, J</b>  Telephone No. +49 89 2399-8206	



**INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY**

International application No.  
PCT/IB2004/001075

**Box No. I Basis of the report**

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:

- ☐ international search (under Rules 12.3 and 23.1(b))
- ☐ publication of the international application (under Rule 12.4)
- ☐ international preliminary examination (under Rules 55.2 and/or 55.3)

2. With regard to the **elements\*** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

**Description, Pages**

1-49 as originally filed

**Claims, Numbers**

1-19 as originally filed

**Claims, Pages**

50-60 as originally filed

☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages
- ☐ the claims, Nos.
- ☐ the drawings, sheets/figs
- ☐ the sequence listing (*specify*):
- ☐ any table(s) related to sequence listing (*specify*):

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages
- ☐ the claims, Nos.
- ☐ the drawings, sheets/figs
- ☐ the sequence listing (*specify*):
- ☐ any table(s) related to sequence listing (*specify*):

\* If item 4 applies, some or all of these sheets may be marked "superseded."

**INTERNATIONAL PRELIMINARY REPORT  
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**Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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**1. Statement**

Novelty (N)	Yes: Claims	
	No: Claims	1-19
Inventive step (IS)	Yes: Claims	
	No: Claims	1-19
Industrial applicability (IA)	Yes: Claims	1-19
	No: Claims	

**2. Citations and explanations (Rule 70.7):**

**see separate sheet**

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**Box No. VI Certain documents cited**

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**1. Certain published documents (Rule 70.10)**

and /or

**2. Non-written disclosures (Rule 70.9)**

**see separate sheet**

**INTERNATIONAL PRELIMINARY  
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(SEPARATE SHEET)**

International application No.

PCT/IB2004/001075

**Re Item V**

**Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

The following prior art has been cited in the International Search Report:

- D1: WO 01/93682 A (SYNGENTA AG (CH)) 13 December 2001 (2001-12-13)
- D2: WO 02/053560 A (SYNGENTA (CH)) 11 July 2002 (2002-07-11)
- D3: WO 01/25220 A (KINETIKS PHARM INC (US)) 12 April 2001 (2001-04-12)
- D4: WO 95/09847 A (CIBA GEIGY AG (CH)) 13 April 1995 (1995-04-13)
- D5: WO 95/09851 A (CIBA GEIGY AG (CH)) 13 April 1995 (1995-04-13)
- D6: WO 95/09853 A (CIBA GEIGY AG (CH)) 13 April 1995 (1995-04-13)
- D7: DATABASE CHEMABS [Online] CHEMICAL ABSTRACTS SERVICE,  
COLUMBUS, OHIO, US; 2000, FURET, PASCAL ET AL: "Structure-based design  
of potent CDK1 inhibitors derived from olomoucine" XP002285943 retrieved from  
STN Database accession no. 2000:439092

**Novelty (Article 33(2) PCT)**

D1 and D2 disclose the method of claim 1; D1-D7 disclose compounds within the scope of claim 9.

The present claim set is therefore not novel.

**Inventive Step (Article 33(3) PCT)**

D1 and D2 disclose plant protecting agents; D1 can be regarded as the closest prior art.

**INTERNATIONAL PRELIMINARY  
REPORT ON PATENTABILITY  
(SEPARATE SHEET)**

International application No.

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The problem of the invention was the provision of new plant protecting agents.

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Since the claimed compounds as well as their use have been disclosed in the prior art, the present application lacks an inventive step.

**Re Item VI**

**Certain documents cited**

D8: WO 03/047347 A (SYNGENTA AG (CH)) 12 June 2003 (2003-06-12)

D9: WO 2004/009562 A (JANSSEN PHARMACEUTICA (US)) 29 January 2004  
(2004-01-29)

D10: HESS KENNY ET AL: "Development of a fluorescence polarisation assay to screen for inhibitors of the FtsZ/ZipA interaction" ANALYTICAL BIOCHEMISTRY, vol. 323, no. 2, 2003, pages 224-233, XP002285951

The priority of the present application has not been checked, However, the P-documents D8 to D10 could become relevant at a later stage.